

FIBRE-DEEP SOLUTIONS FOR INTERACTIVE HFC NETWORKS



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Online

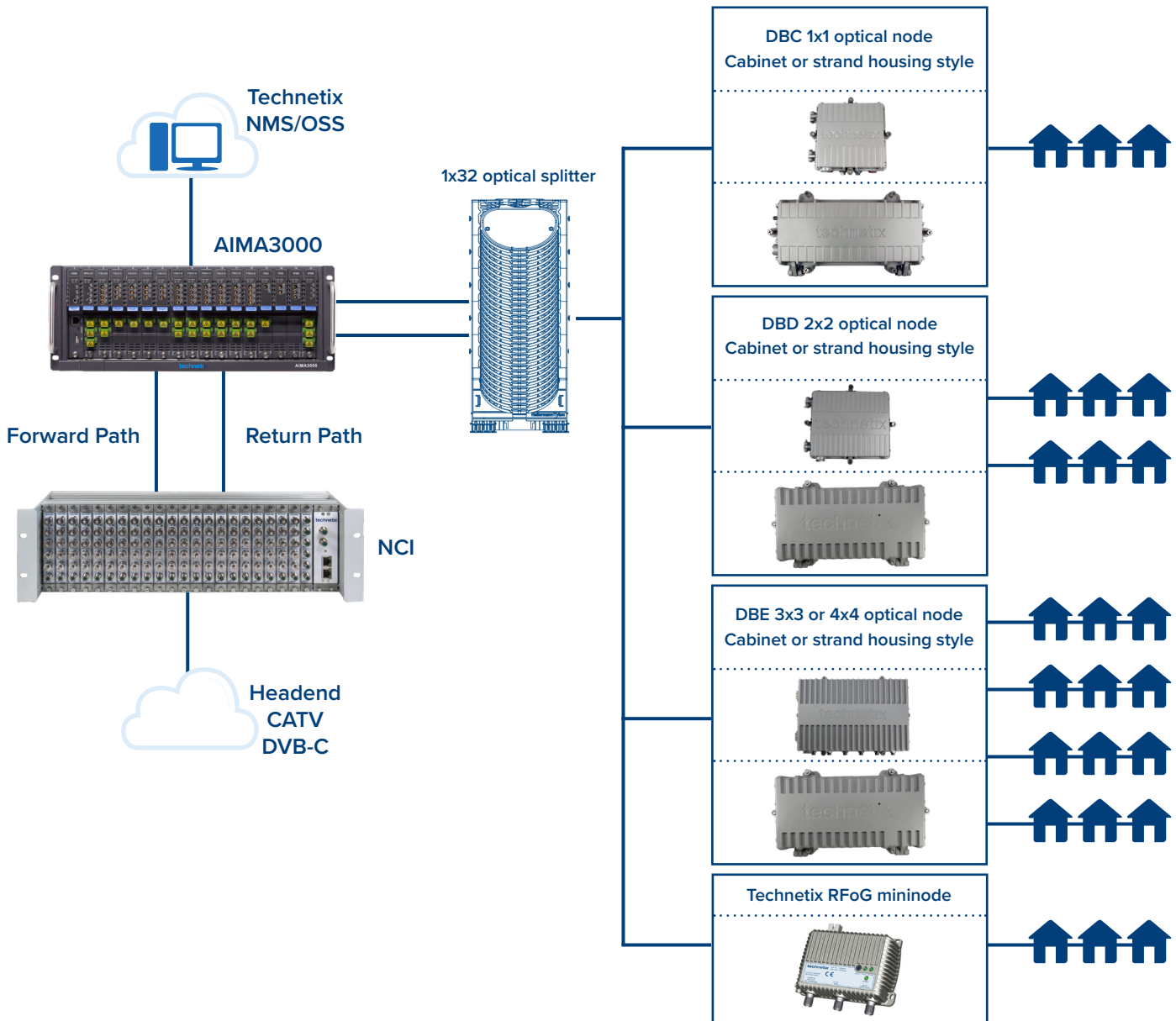
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Technetix offers HFC solutions to meet current and future demands

Technetix' HFC products and services offer flexible and scalable solutions catering to small, mid-size and tier-one operators. MSOs are constantly being challenged with the ever-increasing demand for bandwidth, growing price pressures and greater competition. Technetix' HFC, fibre-deep, RFoG and CATV overlay solutions allow operators to be prepared and equipped for future network demands while maximizing potential earnings from initial procurement investments.



Efficient transport infrastructure – delivered

Technetix' optical headend platform, the AIMA3000, is the latest innovation in our HFC headend portfolio. Its industry-leading density, ultra-low power consumption and modular design meet current and future demands. A series of 1 RU transmitter, optical amplifiers and distribution components are designed for smaller sub-headend deployments. Complemented by a full range of passive optical products, Technetix delivers high system performance at low cost. For the outside plant, Technetix offers a full range of optical MDU, RFoG/FTTx compliant solutions up to fully segmentable four-port optical fibre nodes. All our fibre nodes are of modular design with optical plug-in units developed for low installation times. Our on-board DOCSIS 3.0 transponder in conjunction with AIMA3000 headend equipment allows the operator to access crucial plant telemetry through the AIMA3000 HMS compliant SNMP MIB. An optional DOCSIS 3.0 transponder is also available.

Our offering wouldn't be complete without the supporting management and configuration software. Technetix provides a solution which delivers alarm, inventory and topology management. Geographical mapping of components is available for select regions.

Comprehensive, scalable product portfolio

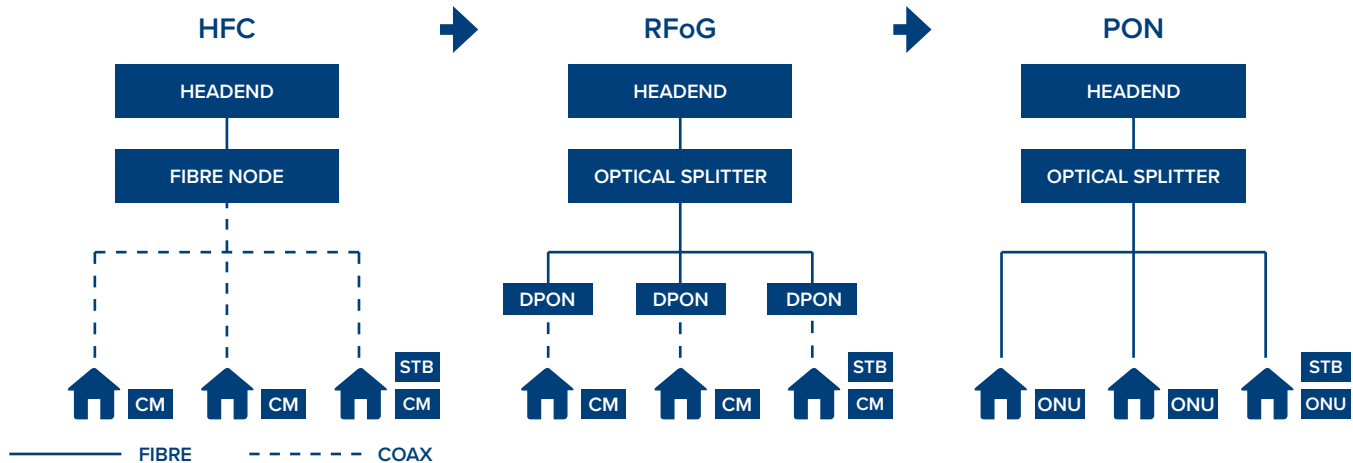
Technetix' AIMA3000 HFC headend platform simplifies the MSO's transition to IP networks by providing a complete range of intelligent, interoperable, RF and optical modules for HFC, RFoG, PON video overlay and other applications. The outside plant fibre node and amplifier portfolio integrates seamlessly into the headend products and can be managed from a network management single screen using Technetix' network management software.

Product portfolio overview

Category		Product	
Headend	HFC headend platforms	AIMA3000 <ul style="list-style-type: none"> High density with 16 single dual or quad application modules in one 4 RU headend platform (Transmitter, Redundant Receiver, RFoG Receiver, Optical Switch, RF Switch, EDFA, Management Module) Lowest power consumption per transmitter/receiver link in the industry Hot-swappable application modules via management selectable auto-config features Integrated front and rear fibre access panel for easy fibre management 	
		NCI solution <ul style="list-style-type: none"> A compact, CCAP-compliant Narrowcast Inserter (NCI) solution Designed to deliver maximum flexibility for minimum rack space, along with low power consumption and high isolation Available up to 1.2 GHz DOCSIS 3.1 and CCAP-ready The NCI solution is provided with full electronic control of all RF signals, both locally (via integrated web server) and remotely (via SNMP). 	
	HFC 1 RU	EDFA optical amplifiers <ul style="list-style-type: none"> Available with optional redundant PS unit Distribution EDFAs available with up to 32 ports 	
		LTE153-6000 <ul style="list-style-type: none"> Long-haul externally modulated transmitter with adjustable SBS Available with 2x7 and 2x10 dBm Link 100 Km with EDFA 150 Km Standard redundant power-supply units 	
		OSF – passive optical range <ul style="list-style-type: none"> Optical splitters and couplers CWDM/DWDM 	
	Outside plant	Fibre nodes	DBx digital broadband optical/RF amplifier platform <ul style="list-style-type: none"> The range consists of three Access platforms varying in size, power and output to suit individual network requirements. All RF amplifiers can be upgraded to fibre in the network, achieving 1 x 1, 1 x 2, 2 x 2, 3 x 3 or 4 x 4 optical nodes, depending on the model (DBC, DBD or DBE). Interchangeable modules Low power consumption DOCSIS 3.1 compliant
Management	Network management software	Technetix Network Management Software <ul style="list-style-type: none"> Single-screen HFC/FTTx management and provisioning software suite Inventory, alarm, telemetry and topology management Email alarm notification and escalation XML/Web interface for automated provisioning 	

Cost-effective migration to increase bandwidth and capacity

With the future firmly in mind, Technetix provides customers with a simple and cost-effective solution to offer more bandwidth through modular and segmental nodes as well as the AIMA3000 platform that offers up to four transmitters per slot.



High density versus green deployment

Less is more. Technetix' comprehensive high-density equipment ensures an optimal subscriber-to-headend ratio, increasing efficiency for a seamless green deployment and better management.

With increased efficiency comes increased savings. Technetix' high-density modules reduce power consumption and lower the overhead costs associated with deploying, operating and maintaining network infrastructure. The result: less cabinet space, more subscribers, and a lower CAPEX.



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